

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011322\
 Data File : VD071716.D
 Acq On : 13 Jan 2022 18:11
 Operator : VA/SY
 Sample : N1112-04
 Misc : 3.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4D

Quant Time: Jan 14 04:07:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 07 15:39:14 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

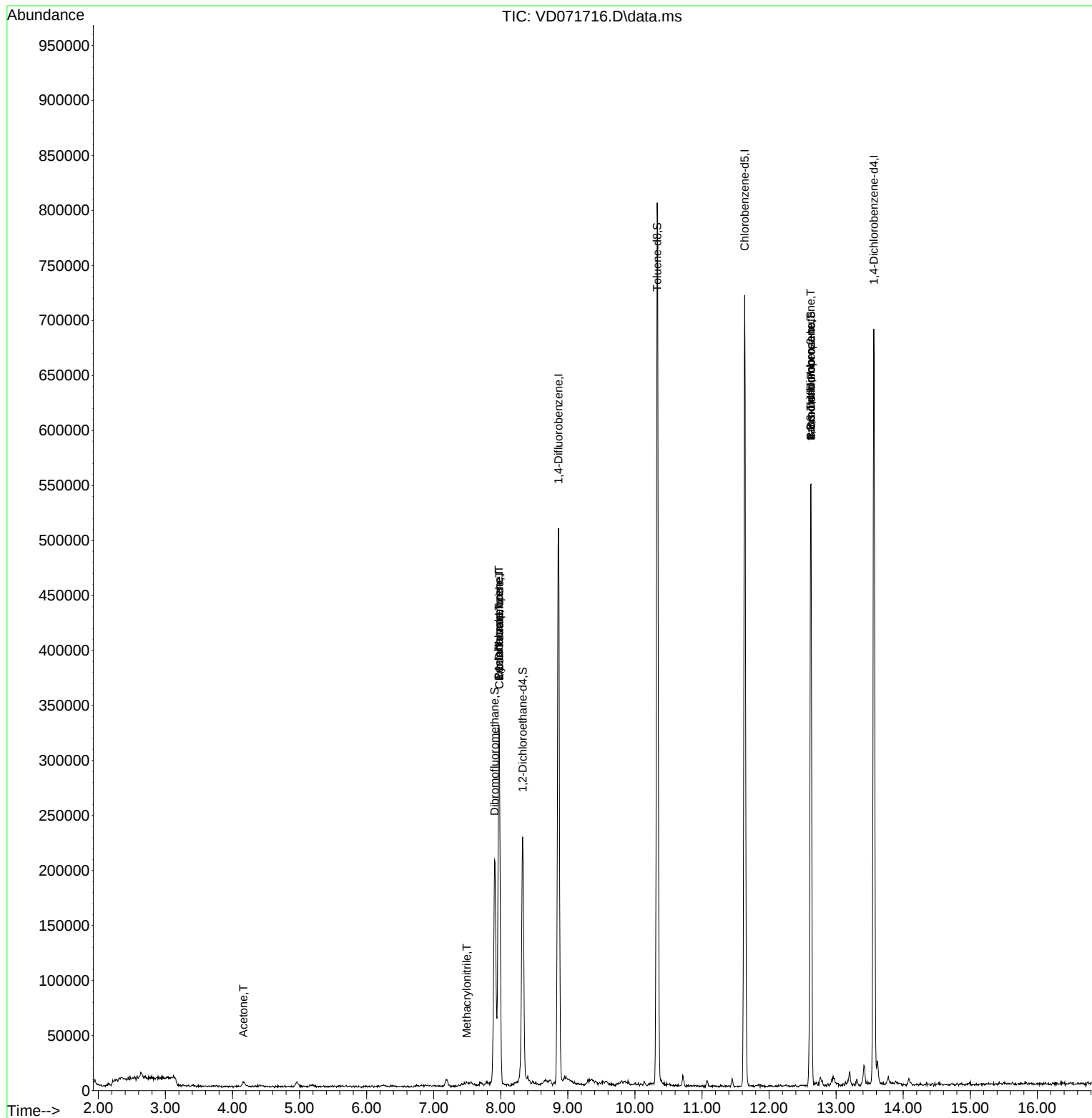
Internal Standards						
1) Pentafluorobenzene	7.973	168	221938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	406145	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	376833	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	167991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	173537	60.768	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.540%	
35) Dibromofluoromethane	7.908	113	141133	52.581	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.160%	
50) Toluene-d8	10.332	98	523595	52.112	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.220%	
62) 4-Bromofluorobenzene	12.626	95	168366	47.555	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 95.100%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	560	Below Cal	#	43
5) Bromomethane	2.779	94	629	Below Cal		94
11) Tert butyl alcohol	5.232	59	240	Below Cal	#	75
16) Acetone	4.161	43	8342	12.653	ug/l	91
18) Methyl Acetate	4.761	43	68	Below Cal	#	56
20) Methylene Chloride	4.950	84	2758	Below Cal	#	72
31) Cyclohexane	7.973	56	7273	2.149	ug/l	# 38
36) 1,1-Dichloropropene	7.973	75	21398	5.589	ug/l	# 52
38) Carbon Tetrachloride	7.979	117	24598	6.344	ug/l	# 17
41) Methacrylonitrile	7.491	41	59	1.183	ug/l	# 1
71) Bromoform	12.626	173	2384	1.786	ug/l	# 1
76) 1,2,3-Trichloropropane	12.620	75	95452	58.803	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.620	75	95452	163.935	ug/l	# 3

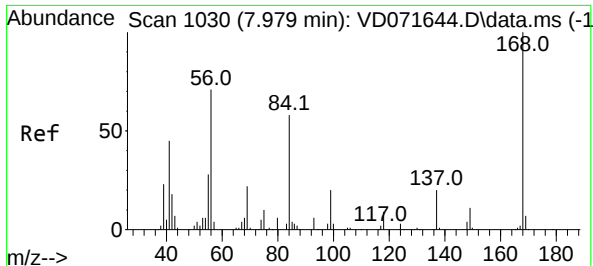
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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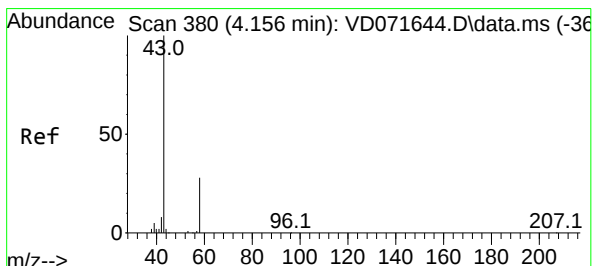
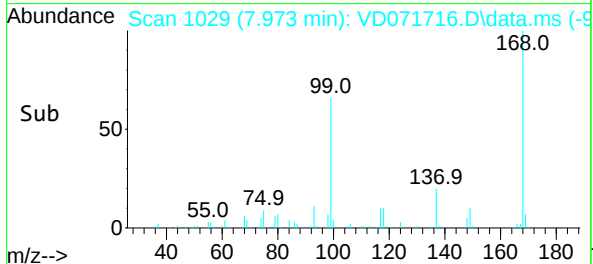
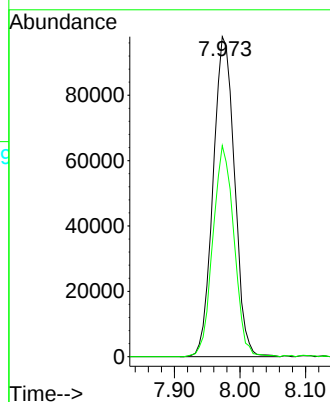
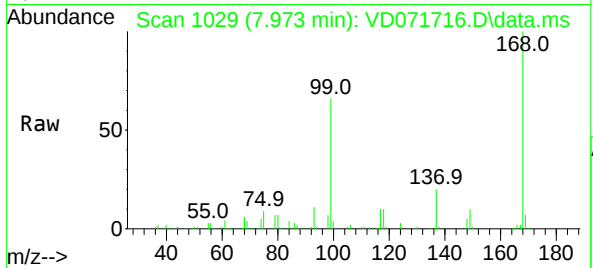




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071716.D
Acq: 13 Jan 2022 18:11

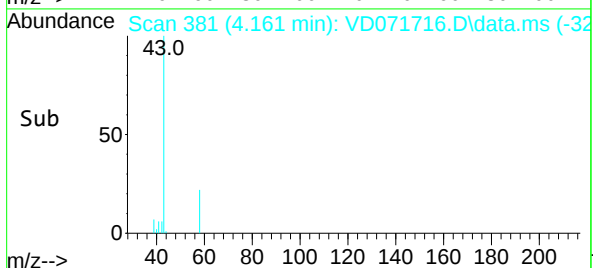
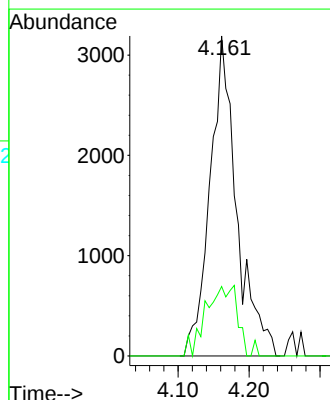
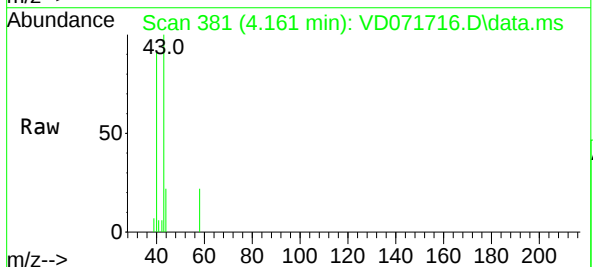
Instrument :
MSVOA_D
ClientSampleId :
TP-4D

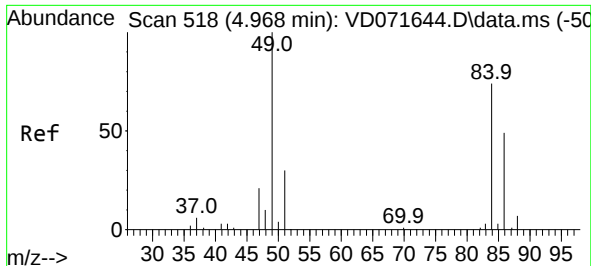
Tgt Ion:168 Resp: 221938
Ion Ratio Lower Upper
168 100
99 65.9 51.8 77.6



#16
Acetone
Concen: 12.653 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071716.D
Acq: 13 Jan 2022 18:11

Tgt Ion: 43 Resp: 8342
Ion Ratio Lower Upper
43 100
58 21.7 21.0 31.6





#20

Methylene Chloride

Concen: Below Cal

RT: 4.950 min Scan# 51

Delta R.T. -0.017 min

Lab File: VD071716.D

Acq: 13 Jan 2022 18:11

Instrument :

MSVOA_D

ClientSampleId :

TP-4D

Tgt Ion: 84 Resp: 2758

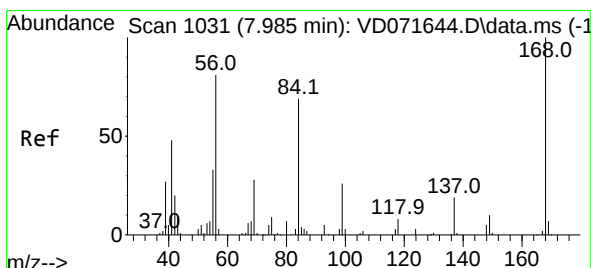
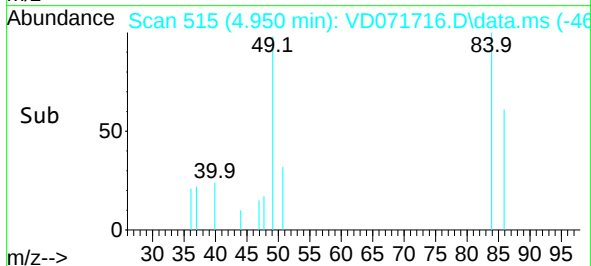
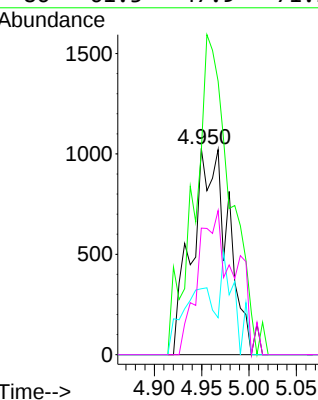
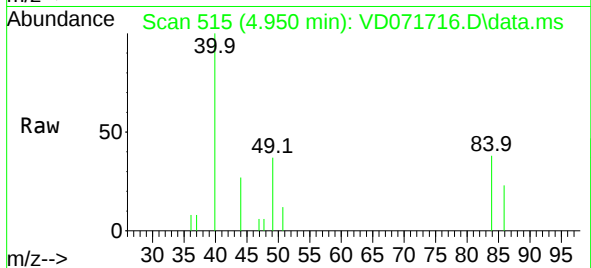
Ion Ratio Lower Upper

84 100

49 98.4 118.6 178.0#

51 31.9 37.8 56.6#

86 61.3 47.9 71.9



#31

Cyclohexane

Concen: 2.149 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.017 min

Lab File: VD071716.D

Acq: 13 Jan 2022 18:11

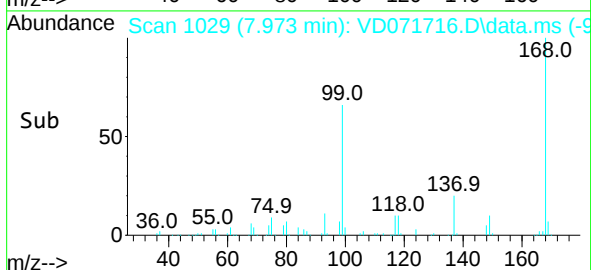
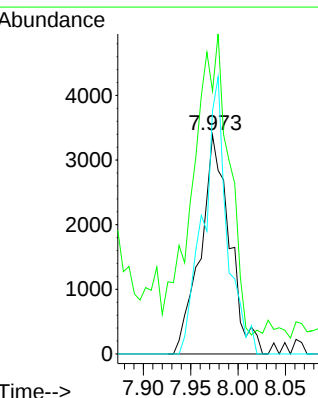
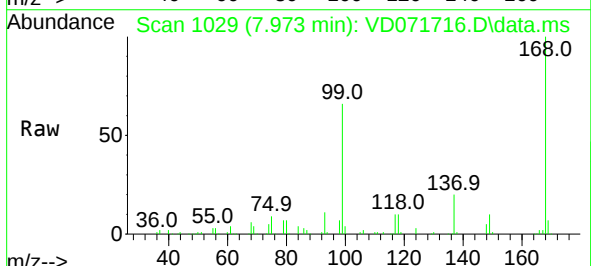
Tgt Ion: 56 Resp: 7273

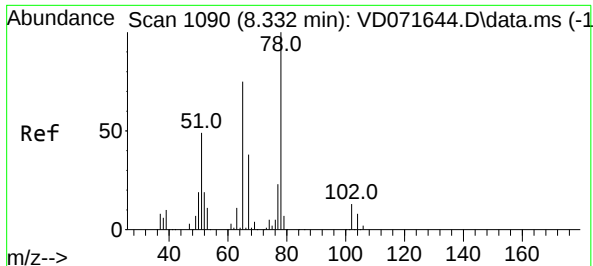
Ion Ratio Lower Upper

56 100

69 104.8 21.7 32.5#

84 111.1 65.7 98.5#





#33

1,2-Dichloroethane-d4

Concen: 60.768 ug/l

RT: 8.326 min Scan# 1090

Delta R.T. -0.006 min

Lab File: VD071716.D

Acq: 13 Jan 2022 18:11

Instrument :

MSVOA_D

ClientSampleId :

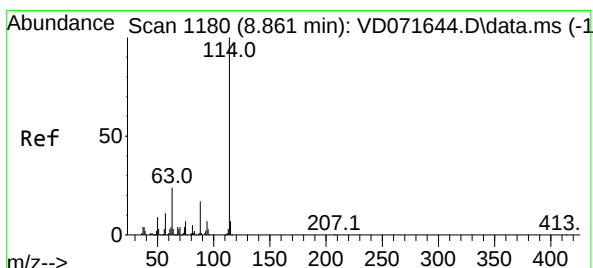
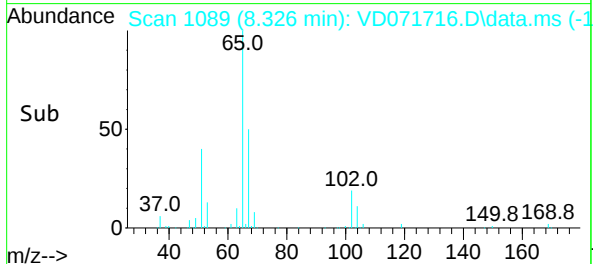
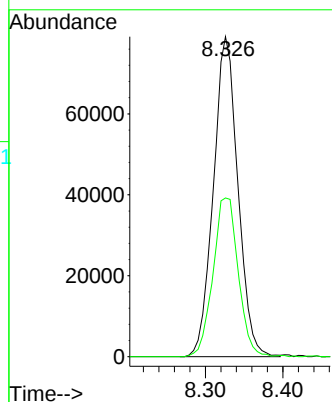
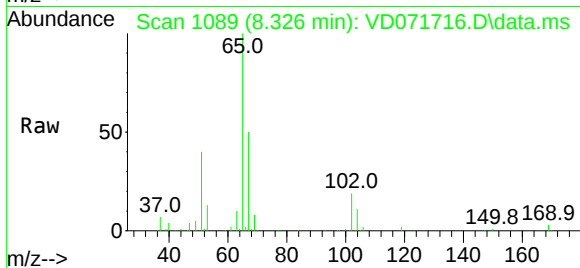
TP-4D

Tgt Ion: 65 Resp: 173537

Ion Ratio Lower Upper

65 100

67 51.1 0.0 101.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD071716.D

Acq: 13 Jan 2022 18:11

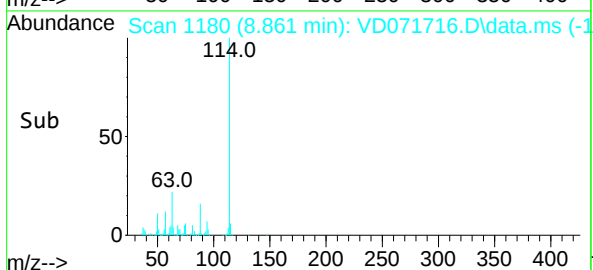
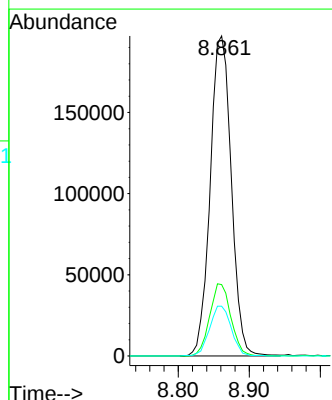
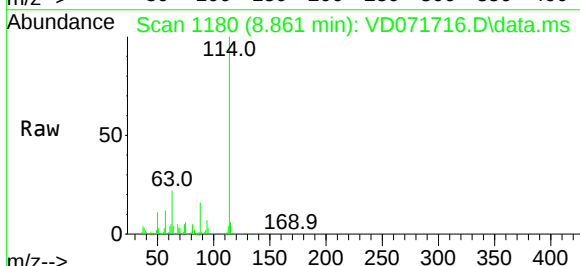
Tgt Ion: 114 Resp: 406145

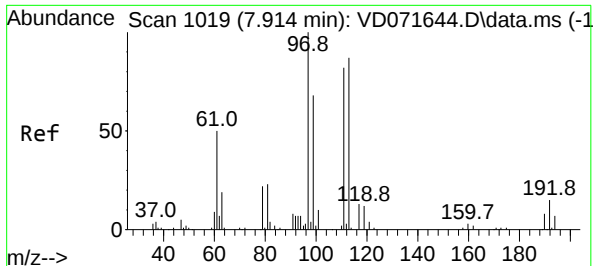
Ion Ratio Lower Upper

114 100

63 22.3 0.0 46.2

88 15.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 52.581 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD071716.D

Acq: 13 Jan 2022 18:11

Instrument :

MSVOA_D

ClientSampleId :

TP-4D

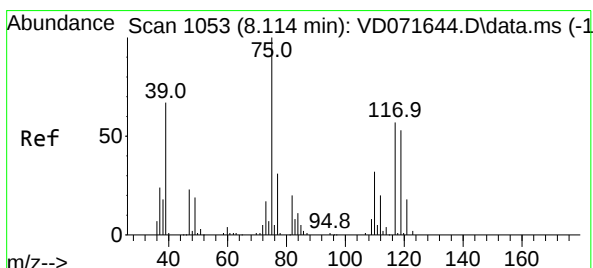
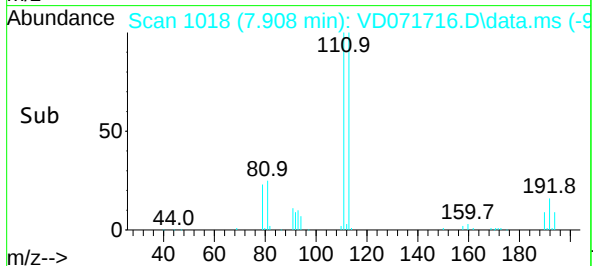
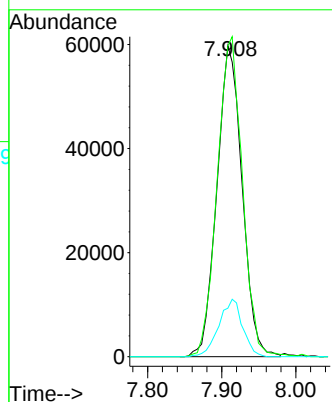
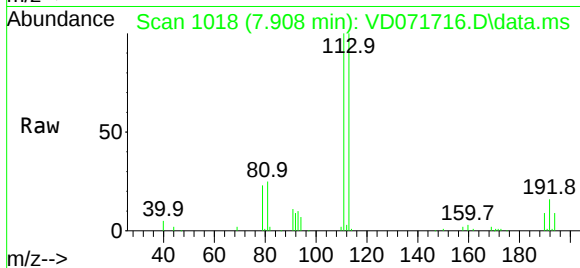
Tgt Ion:113 Resp: 141133

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

192 17.4 14.2 21.2



#36

1,1-Dichloropropene

Concen: 5.589 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071716.D

Acq: 13 Jan 2022 18:11

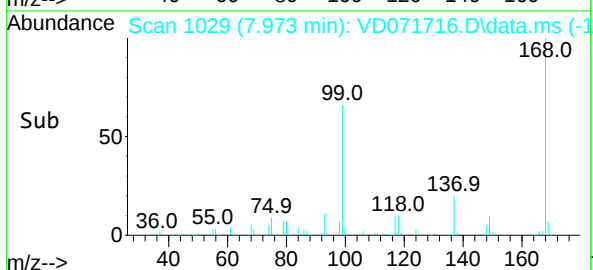
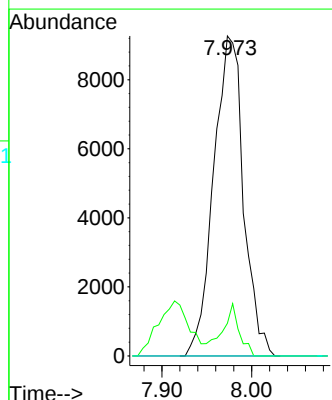
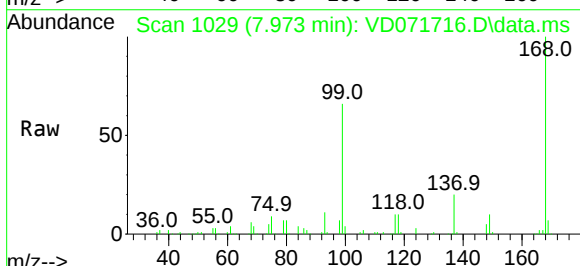
Tgt Ion: 75 Resp: 21398

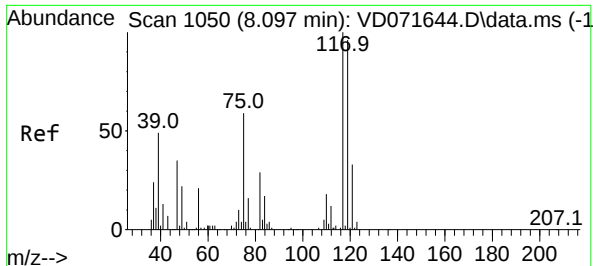
Ion Ratio Lower Upper

75 100

110 9.3 16.0 48.0#

77 0.0 24.5 36.7#

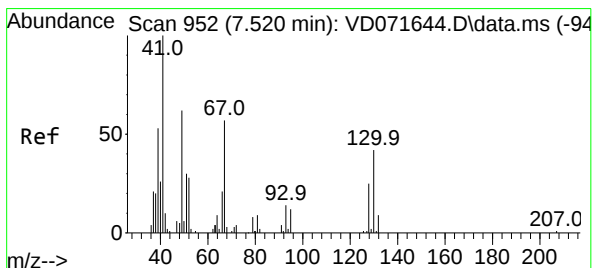
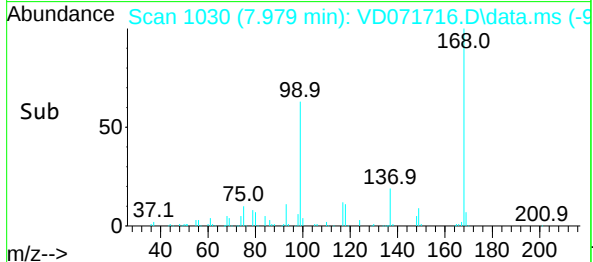
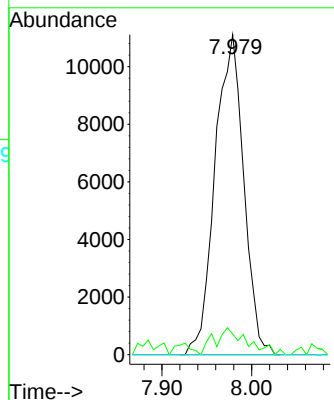
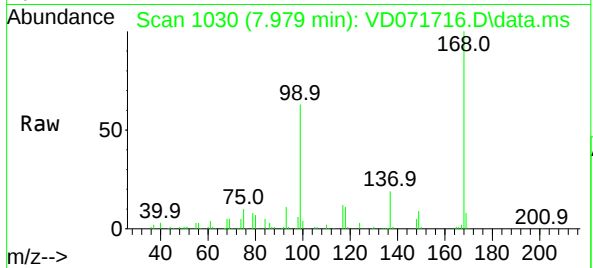




#38
Carbon Tetrachloride
Concen: 6.344 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.117 min
Lab File: VD071716.D
Acq: 13 Jan 2022 18:11

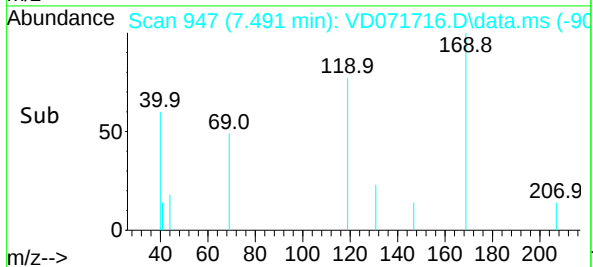
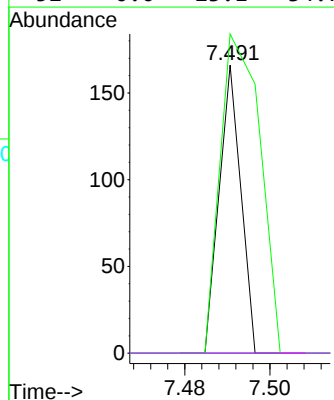
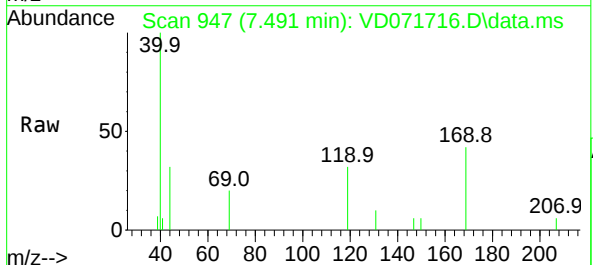
Instrument :
MSVOA_D
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TP-4D

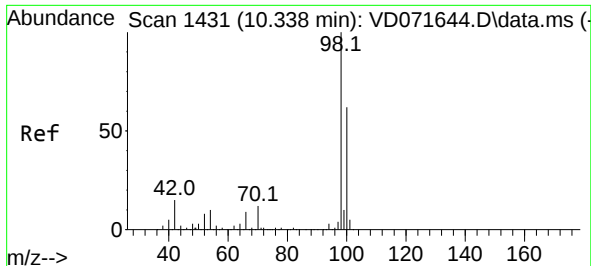
Tgt Ion:117 Resp: 24598
Ion Ratio Lower Upper
117 100
119 4.7 73.4 110.2#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 1.183 ug/l
RT: 7.491 min Scan# 947
Delta R.T. -0.029 min
Lab File: VD071716.D
Acq: 13 Jan 2022 18:11

Tgt Ion: 41 Resp: 59
Ion Ratio Lower Upper
41 100
39 203.4 46.9 70.3#
67 0.0 49.3 73.9#
52 0.0 23.1 34.7#

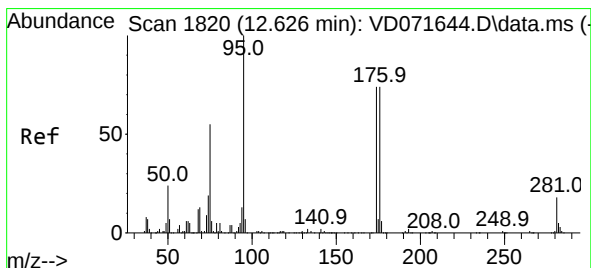
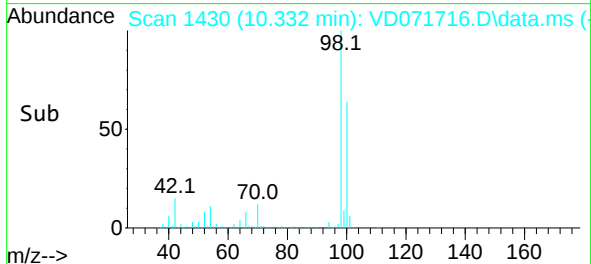
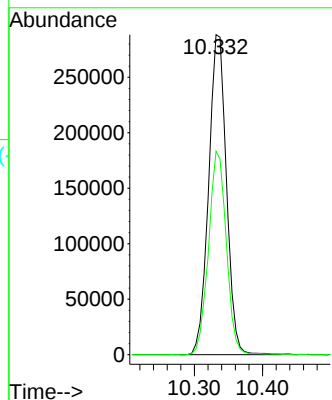
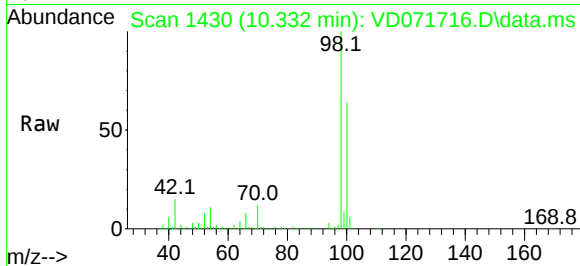




#50
Toluene-d8
Concen: 52.112 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.005 min
Lab File: VD071716.D
Acq: 13 Jan 2022 18:11

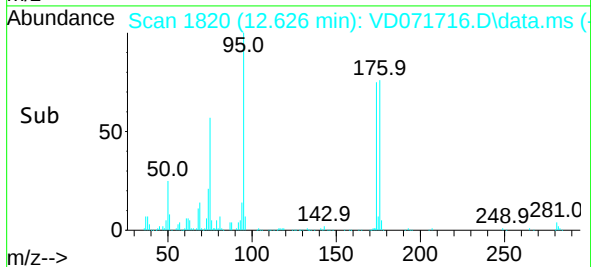
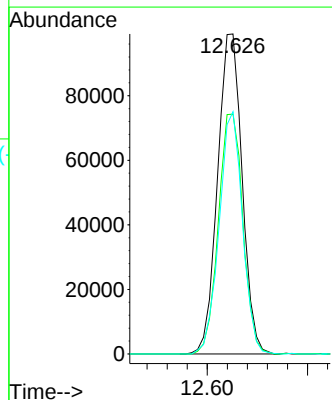
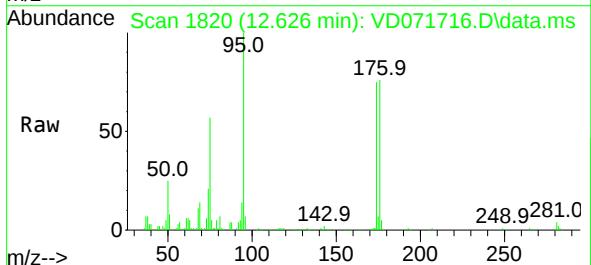
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MSVOA_D
ClientSampleId :
TP-4D

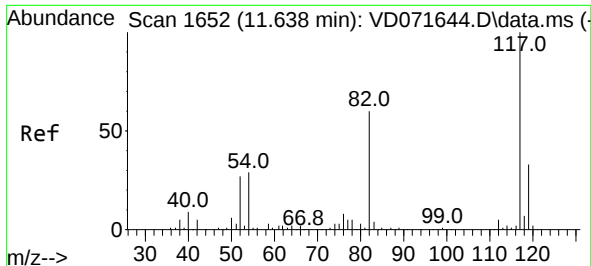
Tgt Ion: 98 Resp: 523595
Ion Ratio Lower Upper
98 100
100 63.7 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.555 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071716.D
Acq: 13 Jan 2022 18:11

Tgt Ion: 95 Resp: 168366
Ion Ratio Lower Upper
95 100
174 74.9 0.0 150.0
176 71.7 0.0 146.4

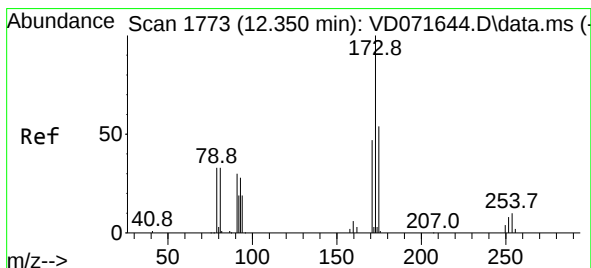
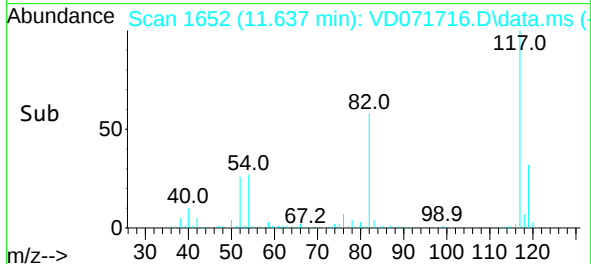
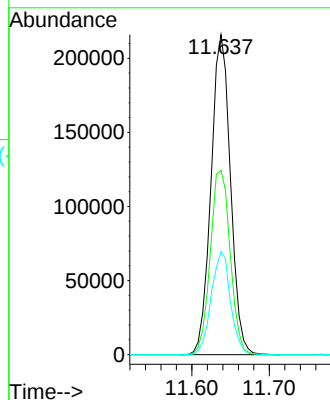
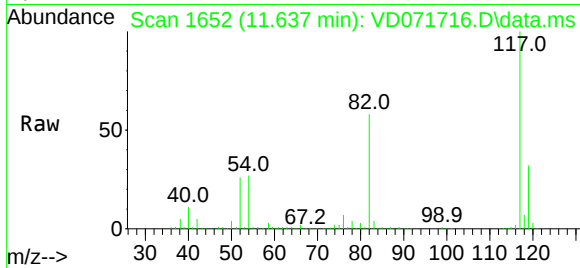




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD071716.D
Acq: 13 Jan 2022 18:11

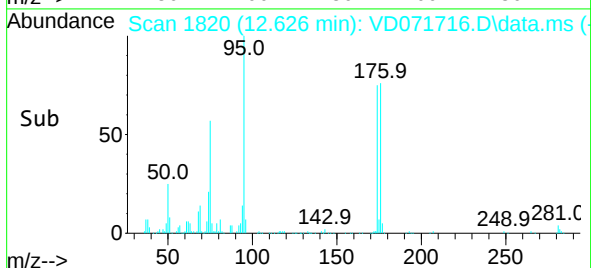
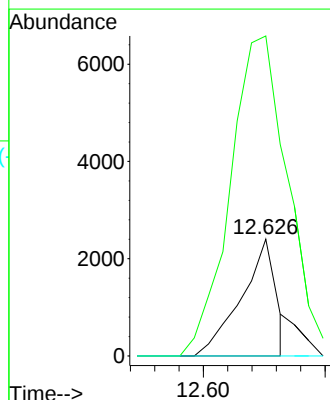
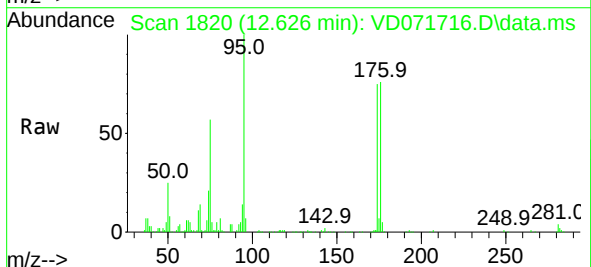
Instrument :
MSVOA_D
ClientSampleId :
TP-4D

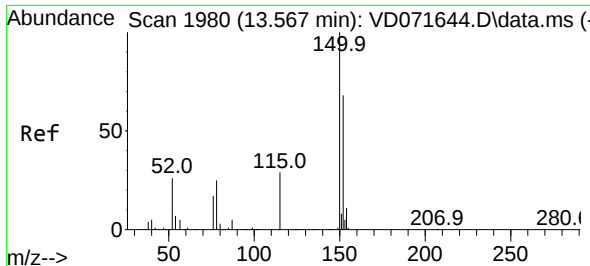
Tgt Ion:117 Resp: 376833
Ion Ratio Lower Upper
117 100
82 57.6 46.9 70.3
119 32.2 26.6 39.8



#71
Bromoform
Concen: 1.786 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD071716.D
Acq: 13 Jan 2022 18:11

Tgt Ion:173 Resp: 2384
Ion Ratio Lower Upper
173 100
175 384.4 24.4 73.2#
254 0.0 0.1 0.1#

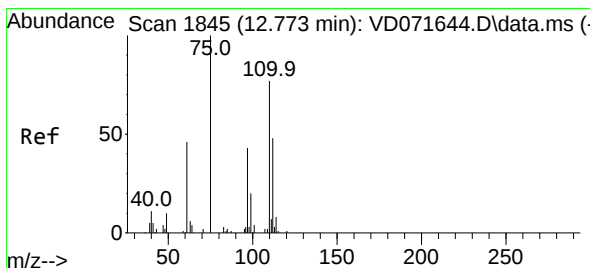
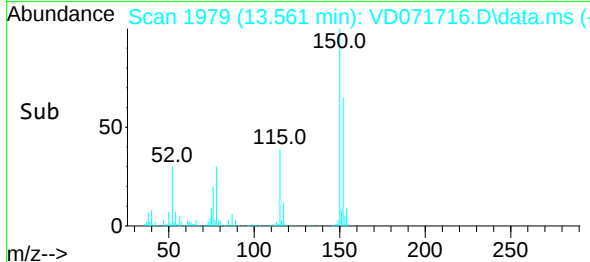
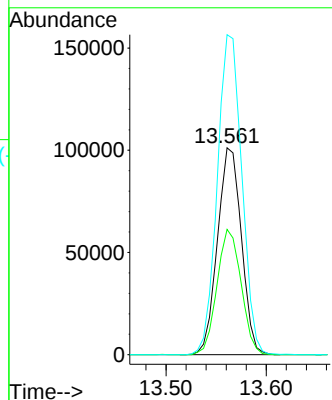
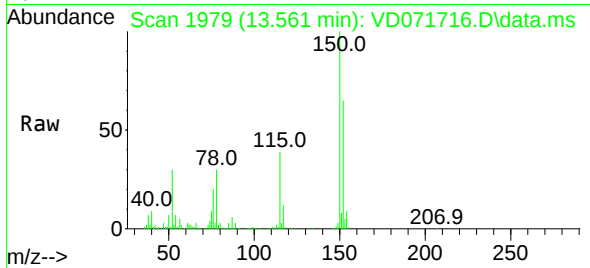




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. -0.006 min
 Lab File: VD071716.D
 Acq: 13 Jan 2022 18:11

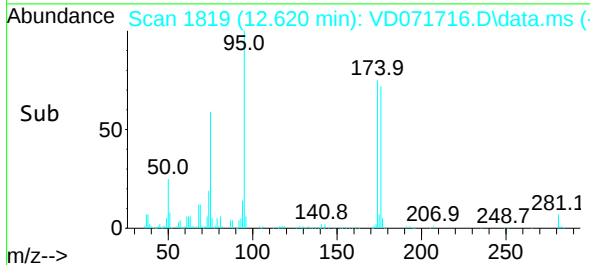
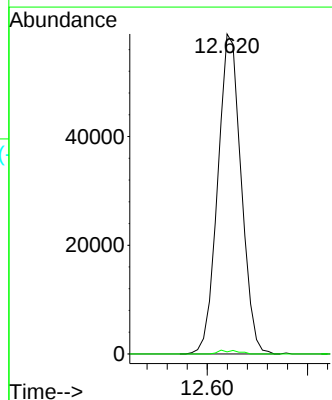
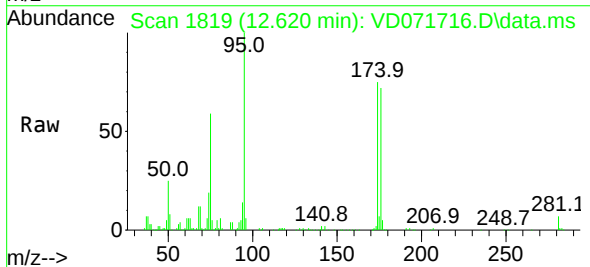
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4D

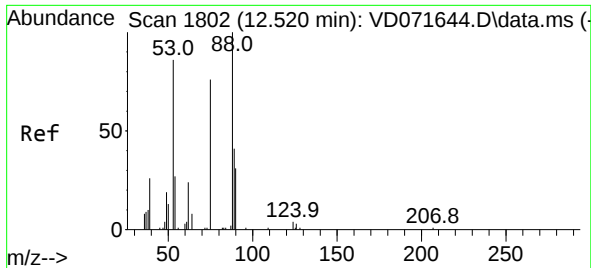
Tgt Ion:152 Resp: 167991
 Ion Ratio Lower Upper
 152 100
 115 60.8 31.5 94.5
 150 158.7 0.0 348.0



#76
 1,2,3-Trichloropropane
 Concen: 58.803 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD071716.D
 Acq: 13 Jan 2022 18:11

Tgt Ion: 75 Resp: 95452
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 163.935 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD071716.D
 Acq: 13 Jan 2022 18:11

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4D

Tgt Ion: 75 Resp: 95452
 Ion Ratio Lower Upper
 75 100
 53 0.5 95.4 143.0#
 89 0.0 37.2 55.8#

